

## 0. MIPAS Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Instrument Operational Performance Parameters](#)

### [0.3 ADF monitoring](#)

## 0.1 General Info

This report contains a daily analysis on parameters extracted from MIPAS level 0 data (The MIP\_NL\_\_0P product).

### 0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.6 08-11-2010
Time of report generation	09APR2012 05:22:41
Data source version	KSPT_L0/4504-N
Processing scope for products	04APR2012 00:00:00 to 05APR2012 00:00:00
Start time of first product within scope	04APR2012 00:59:52
Stop time of last product within scope	05APR2012 00:24:24
Total number of level 0 products	15
Number of level 0 products with errors	0

### 0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120404_005952_000102523113_00203_52803_1354.N1	04APR2012 00:59:52	04APR2012 03:50:45	0	0	0	0	0
1	MIP_NL__0PNPDE20120404_035011_000062403113_00205_52805_1355.N1	04APR2012 03:50:11	04APR2012 05:34:11	0	0	0	0	0
2	MIP_NL__0PNPDE20120404_053338_000060143113_00206_52806_1356.N1	04APR2012 05:33:38	04APR2012 07:13:52	0	0	0	0	0
3	MIP_NL__0PNPDK20120404_071319_000040693113_00207_52807_9110.N1	04APR2012 07:13:19	04APR2012 08:21:08	0	0	0	0	0
4	MIP_NL__0PNPDK20120404_082035_000060743113_00208_52808_9111.N1	04APR2012 08:20:35	04APR2012 10:01:48	0	0	0	0	0
5	MIP_NL__0PNPDK20120404_100105_000060443113_00209_52809_9112.N1	04APR2012 10:01:05	04APR2012 11:41:48	0	0	0	0	0
6	MIP_NL__0PNPDK20120404_114104_000059273113_00210_52810_9113.N1	04APR2012 11:41:04	04APR2012 13:19:51	0	0	0	0	0
7	MIP_NL__0PNPDK20120404_131907_000058563113_00211_52811_9114.N1	04APR2012 13:19:07	04APR2012 14:56:42	0	0	0	0	0
8	MIP_NL__0PNPDK20120404_145504_000050323113_00212_52812_9115.N1	04APR2012 14:55:04	04APR2012 16:18:57	0	0	0	0	0
9	MIP_NL__0PNPDK20120404_161857_000010223113_00213_52813_9116.N1	04APR2012 16:18:57	04APR2012 16:35:58	0	0	0	0	0
10	MIP_NL__0PNPDK20120404_163420_000058663113_00213_52813_9117.N1	04APR2012 16:34:20	04APR2012 18:12:06	0	0	0	0	0
11	MIP_NL__0PNPDK20120404_181105_000060673113_00214_52814_9118.N1	04APR2012 18:11:05	04APR2012 19:52:12	0	0	0	0	0
12	MIP_NL__0PNPDE20120404_195032_000040823113_00215_52815_1357.N1	04APR2012 19:50:32	04APR2012 20:58:34	0	0	0	0	0
13	MIP_NL__0PNPDE20120404_205731_000063003113_00215_52815_1358.N1	04APR2012 20:57:31	04APR2012 22:42:31	0	0	0	0	0
14	MIP_NL__0PNPDE20120404_224053_000062113113_00216_52816_1359.N1	04APR2012 22:40:53	05APR2012 00:24:24	0	0	0	0	0

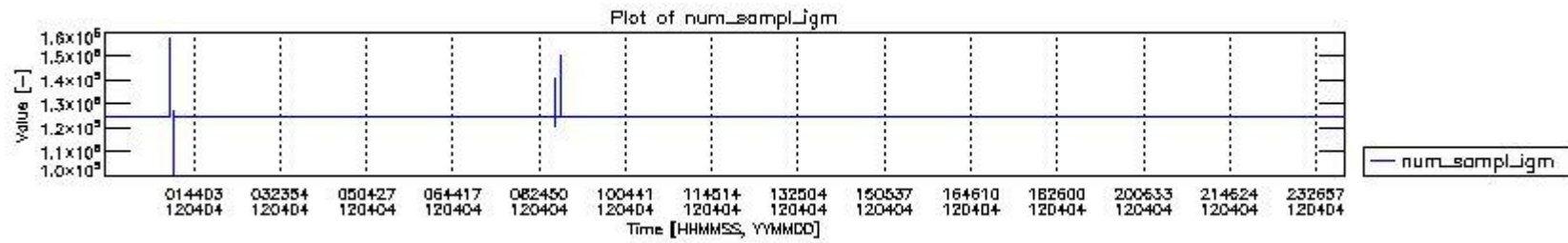
## 0.2 Instrument Operational Performance Parameters

The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

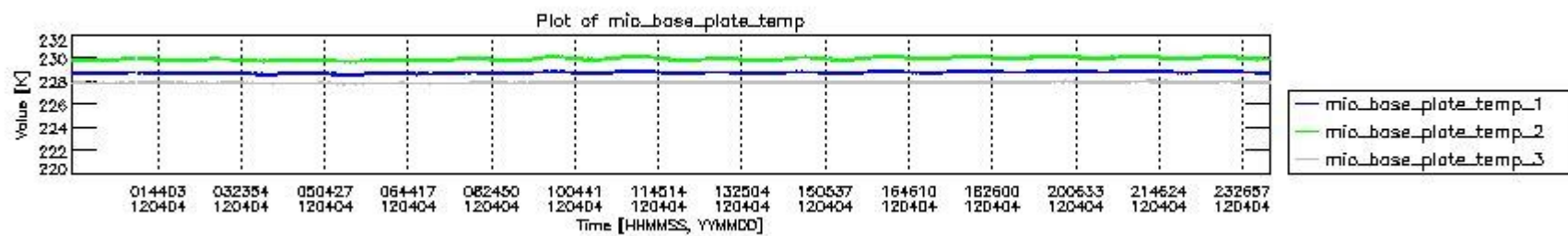
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100632	1	0.0024088259
120840	1	0.0024088259
124800	38564	92.893963

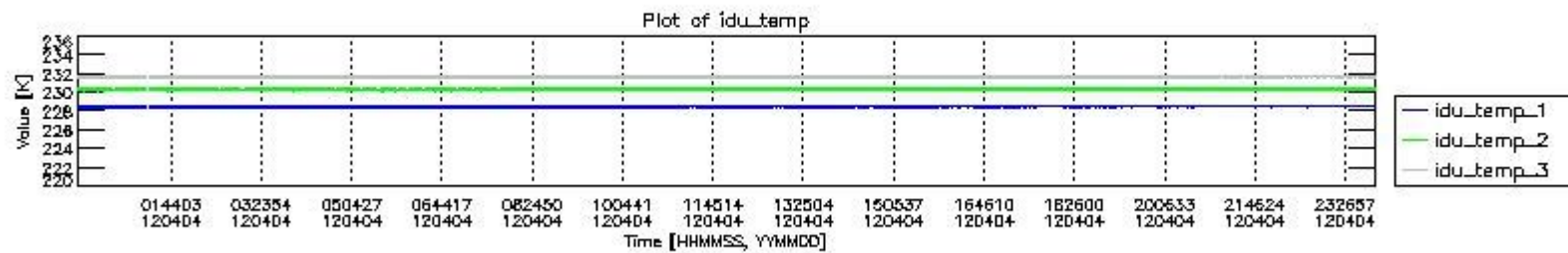
124803	2938	7.0771306
125884	1	0.0024088259
126968	1	0.0024088259
127382	1	0.0024088259
131099	1	0.0024088259
137012	1	0.0024088259
140972	1	0.0024088259
147514	1	0.0024088259
150096	1	0.0024088259
151231	1	0.0024088259
157530	1	0.0024088259



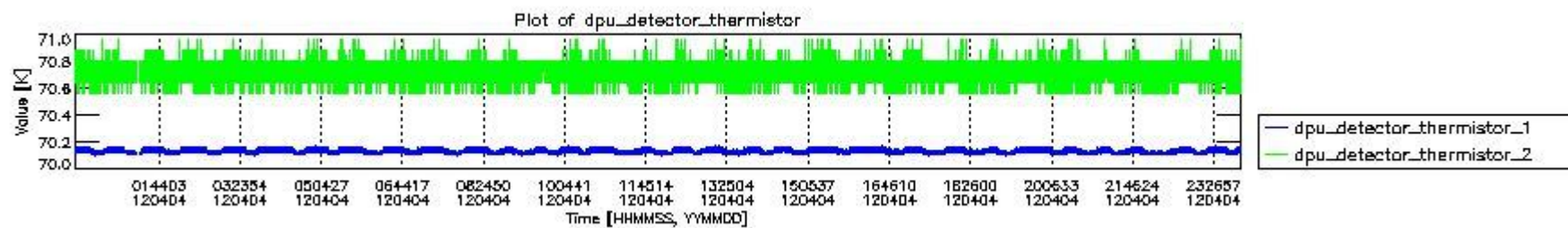
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_0.PNG



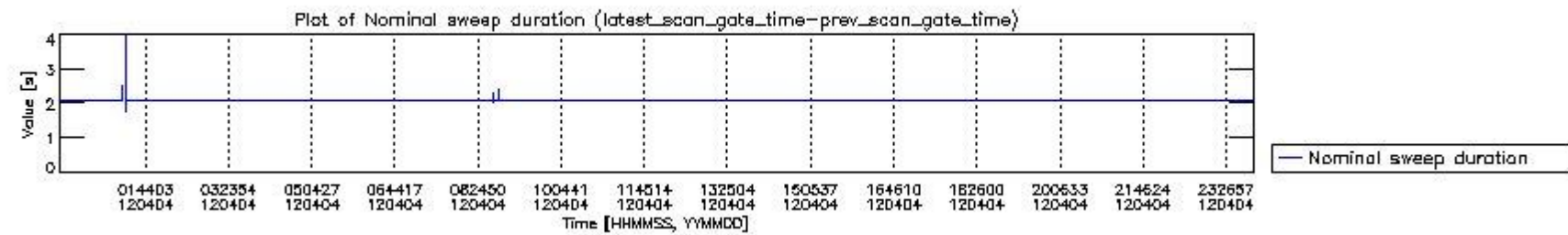
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_1.PNG



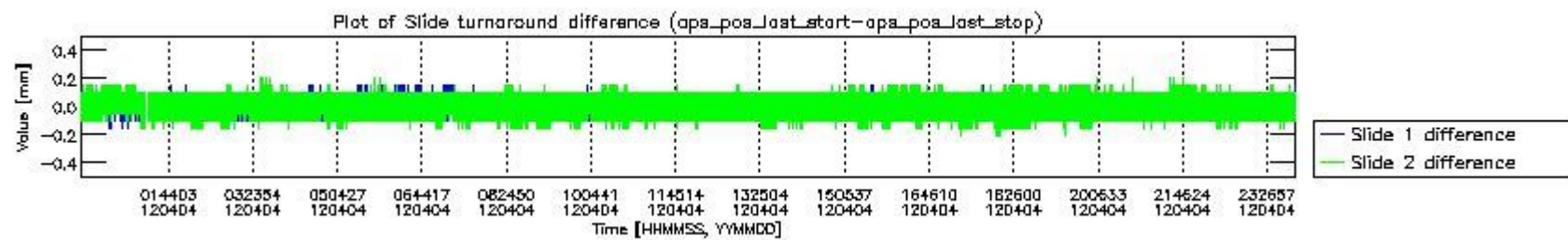
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_2.PNG



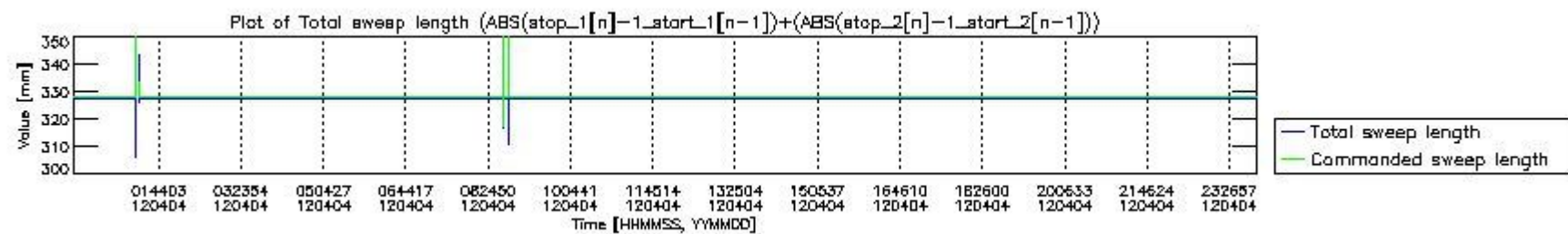
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_3.PNG



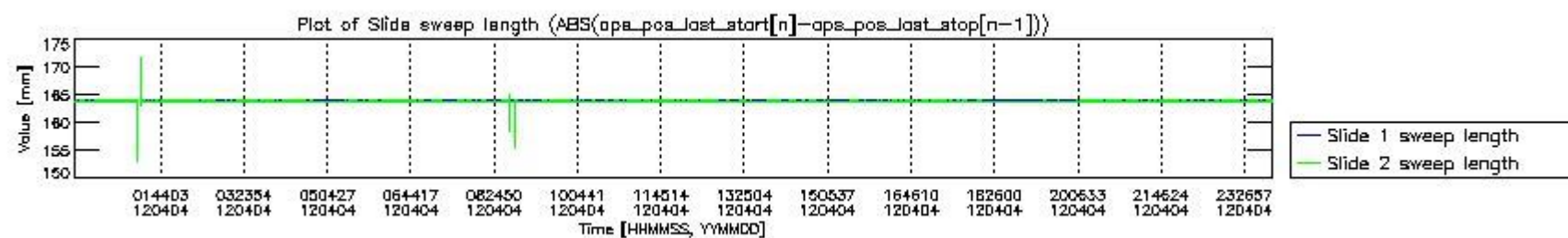
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_4.PNG



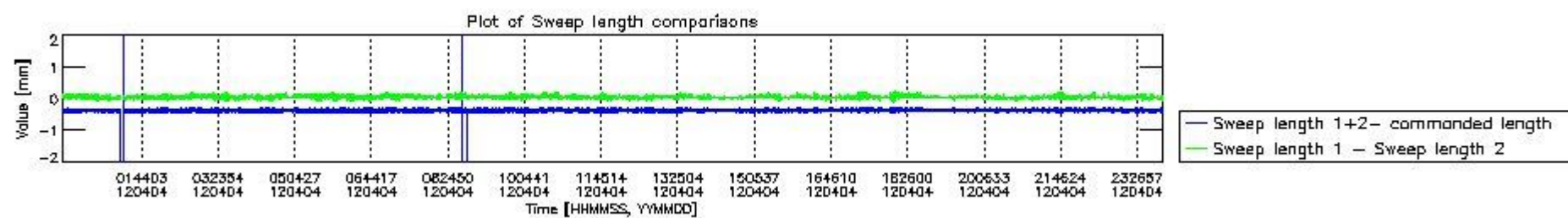
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_5.PNG



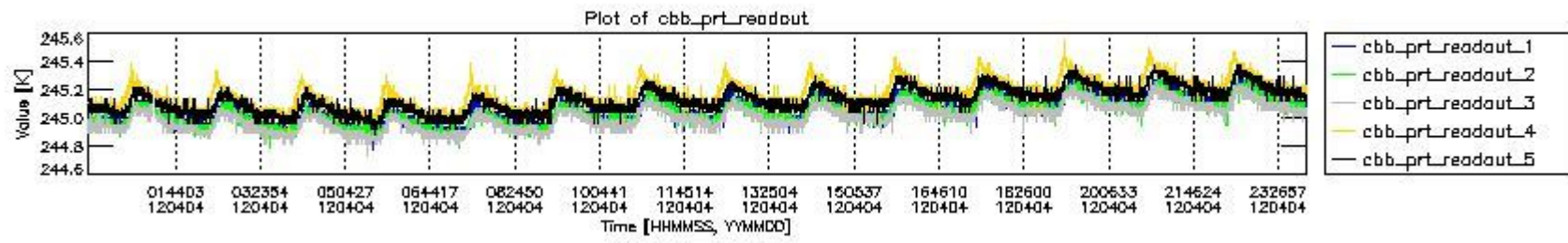
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_6.PNG



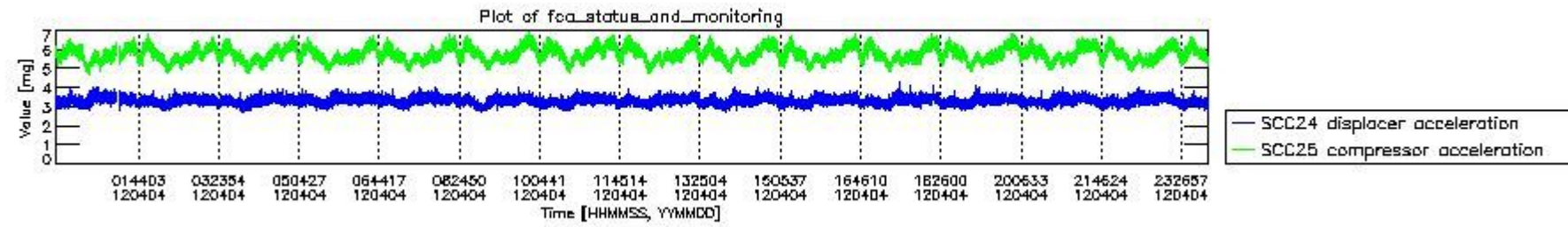
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_9.PNG



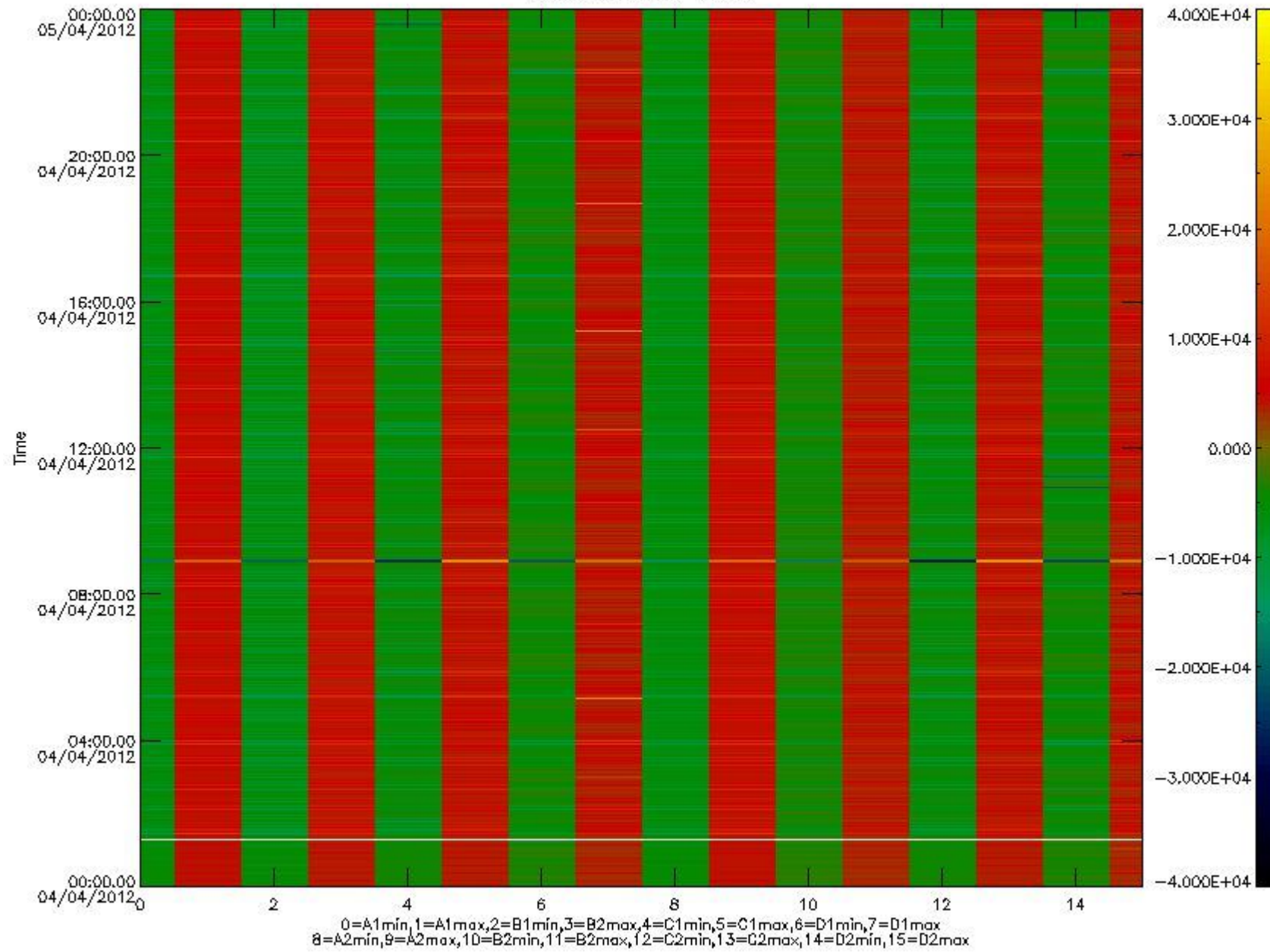
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_10.PNG

The following table shows channel statistics for all channels for this day.

Channel	Min	Max	ADC
A1	-17719	18654	16bit
B1	-20296	17500	16bit
C1	-24928	24795	16bit
D1	-32768	32767	16bit
A2	-15460	18962	16bit
B2	-18090	17818	16bit
C2	-25945	25580	16bit
D2	-32768	32767	16bit



MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_11.PNG

### 0.3 ADF monitoring

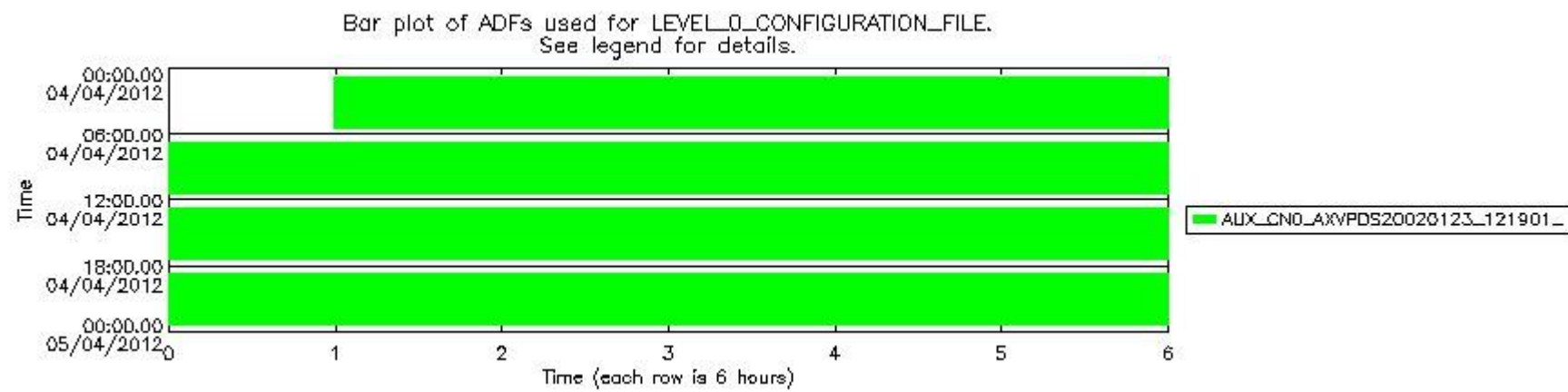
The use of ADFs is shown in two ways:

1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

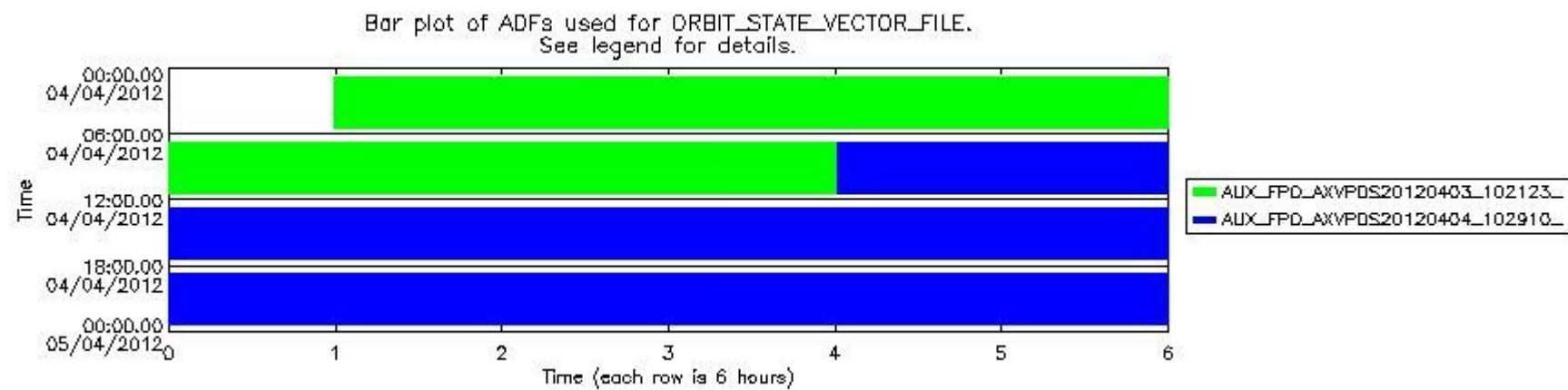
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120403_102123_20120402_190735_20120412_212115
2	AUX_FPO_AXVPDS20120404_102910_20120404_075241_20120414_100621

Number	Product name	#CN0	#FPO
--------	--------------	------	------

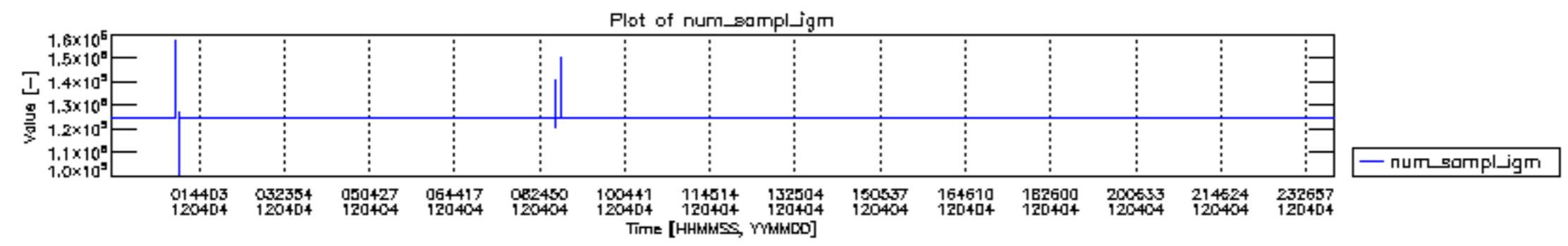
0	MIP_NL__0PNPDE20120404_005952_000102523113_00203_52803_1354.N1	0	1
1	MIP_NL__0PNPDE20120404_035011_000062403113_00205_52805_1355.N1	0	1
2	MIP_NL__0PNPDE20120404_053338_000060143113_00206_52806_1356.N1	0	1
3	MIP_NL__0PNPDK20120404_071319_000040693113_00207_52807_9110.N1	0	1
4	MIP_NL__0PNPDK20120404_082035_000060743113_00208_52808_9111.N1	0	1
5	MIP_NL__0PNPDK20120404_100105_000060443113_00209_52809_9112.N1	0	2
6	MIP_NL__0PNPDK20120404_114104_000059273113_00210_52810_9113.N1	0	2
7	MIP_NL__0PNPDK20120404_131907_000058563113_00211_52811_9114.N1	0	2
8	MIP_NL__0PNPDK20120404_145504_000050323113_00212_52812_9115.N1	0	2
9	MIP_NL__0PNPDK20120404_161857_000010223113_00213_52813_9116.N1	0	2
10	MIP_NL__0PNPDK20120404_163420_000058663113_00213_52813_9117.N1	0	2
11	MIP_NL__0PNPDK20120404_181105_000060673113_00214_52814_9118.N1	0	2
12	MIP_NL__0PNPDE20120404_195032_000040823113_00215_52815_1357.N1	0	2
13	MIP_NL__0PNPDE20120404_205731_000063003113_00215_52815_1358.N1	0	2
14	MIP_NL__0PNPDE20120404_224053_000062113113_00216_52816_1359.N1	0	2

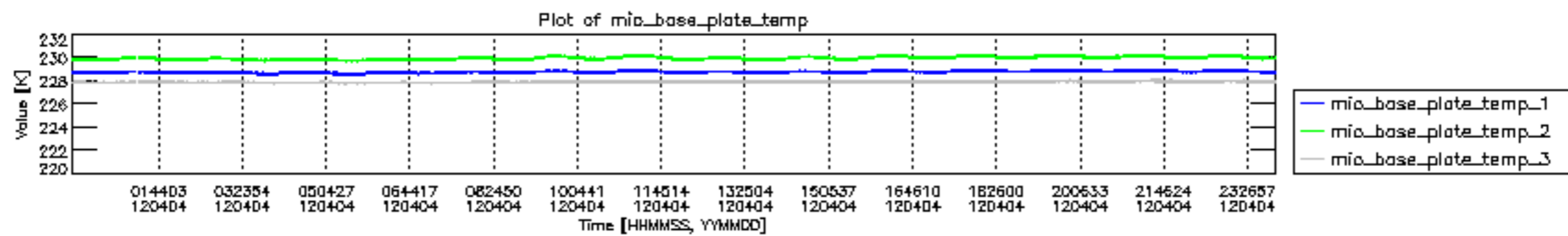


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_12.PNG

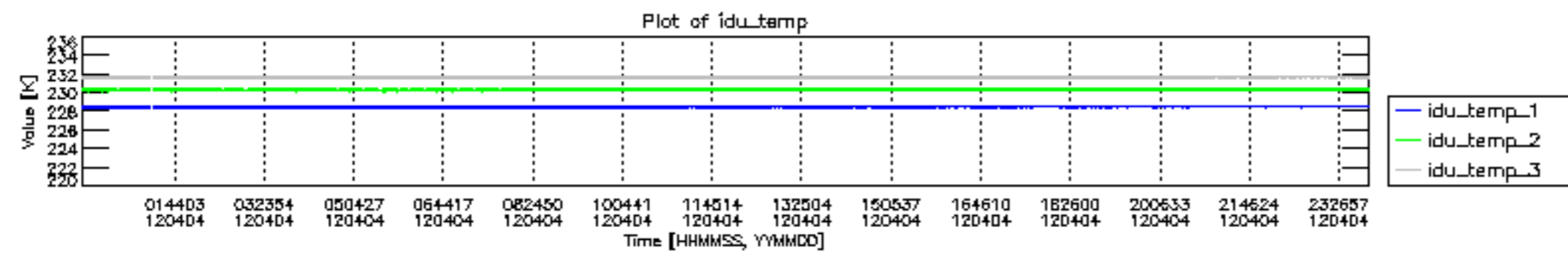


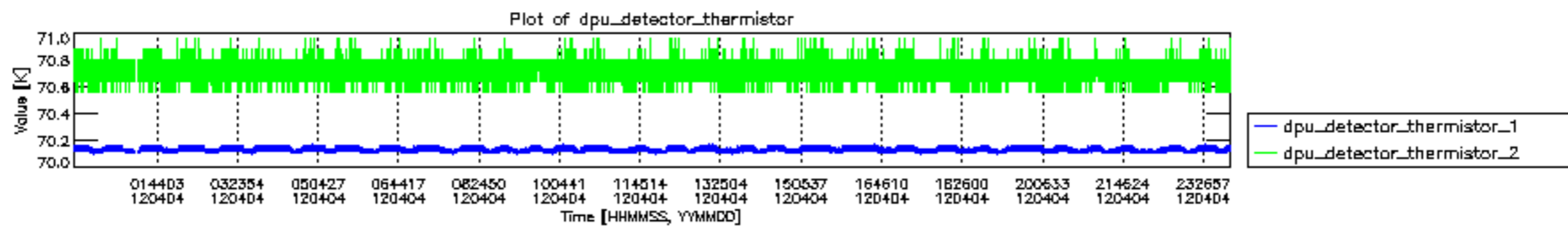
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120404\_13.PNG

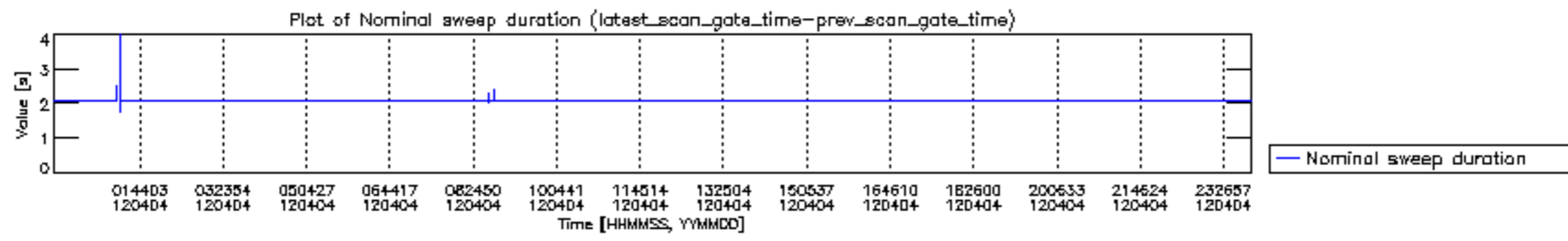


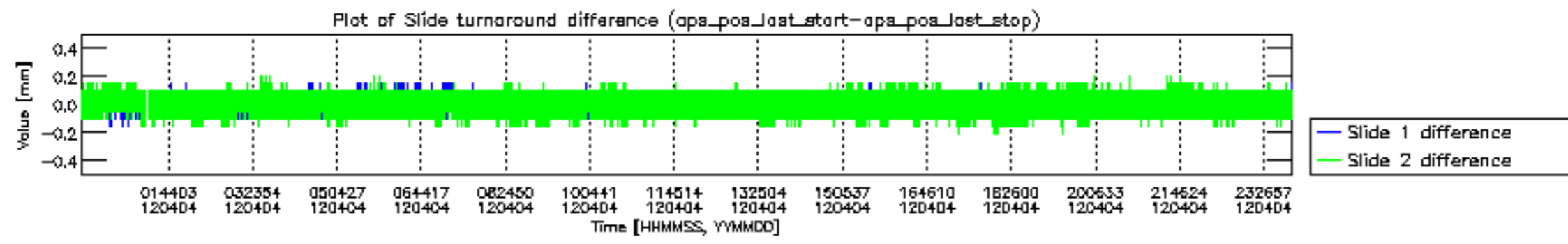


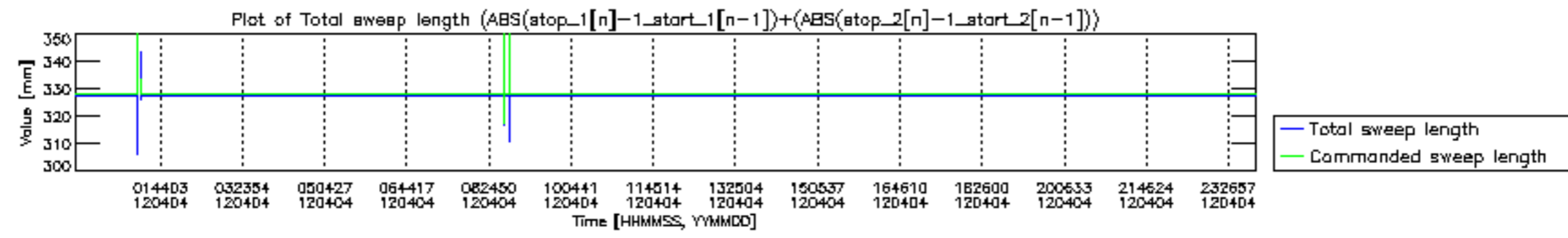




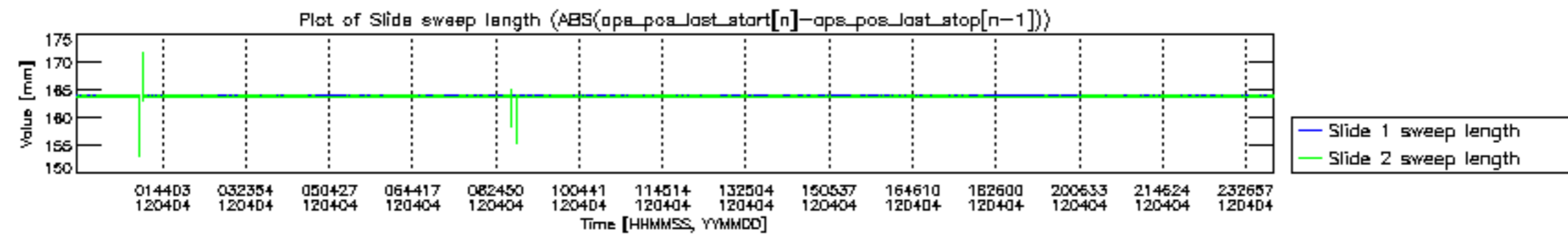


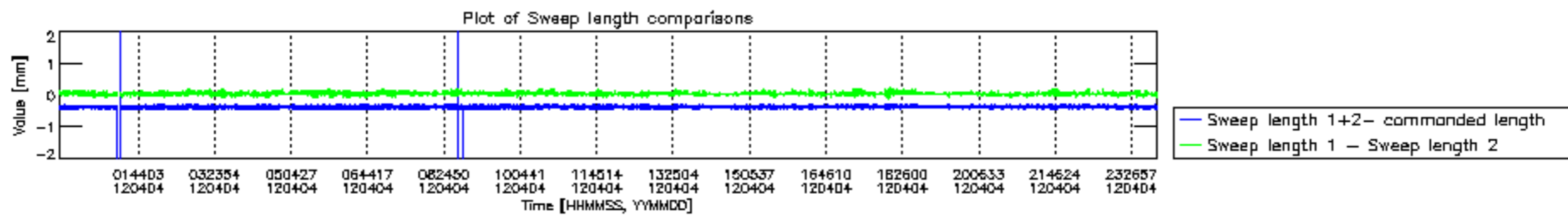


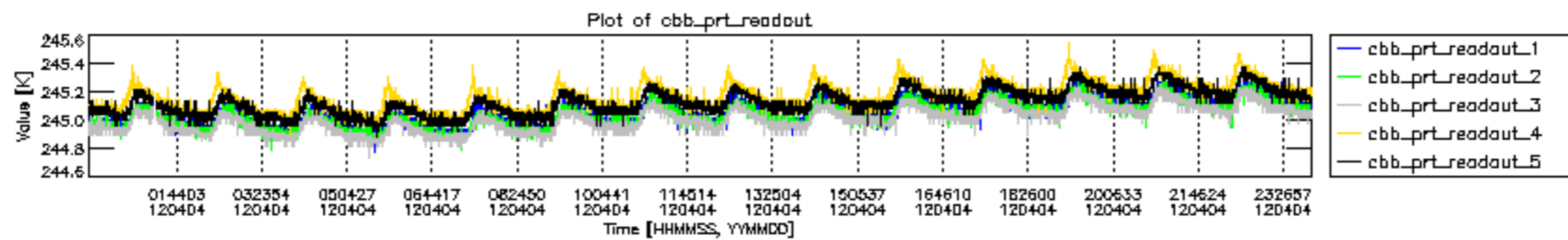


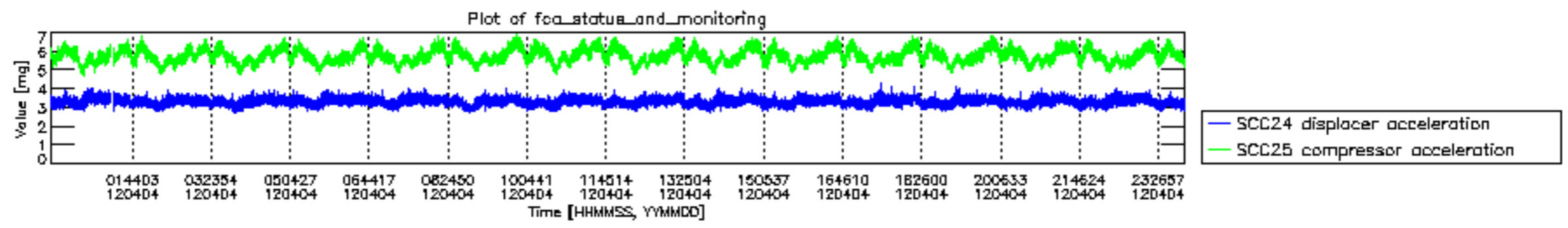












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

